



#7

1/4

SEQUENCE LISTING

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<120> MONOCLOINAL ANTIBODIES TO HUMAN
IMMUNODEFICIENCY VIRUS AND USES THEREOF

<130> 6755.US.O1

<140> 09/731,126

<141> 2000-12-06

<160> 9

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 28

<212> PRT

<213> Human Immunodeficiency Virus

<400> 1

Cys Gln Ala Ala Met Gln Met Leu Lys Glu Thr Ile Asn Glu Glu Ala
1 5 10 15
Ala Glu Trp Asp Arg Val His Pro Val His Ala Gly
20 25

<210> 2

<211> 28

<212> PRT

<213> Human Immunodeficiency Virus

<400> 2

Cys Gln Gly Ala Leu Gln Val Leu Lys Glu Val Ile Asn Glu Glu Ala
1 5 10 15
Ala Asp Trp Asp Arg Ser His Pro Pro Val Val Gly
20 25

<210> 3

<211> 27

<212> PRT

<213> Human Immunodeficiency Virus

<400> 3

Cys Leu Asp Ile Arg Gln Gly Pro Lys Glu Pro Phe Arg Asp Tyr Val
1 5 10 15
Asp Arg Phe Tyr Lys Thr Leu Arg Ala Glu Gln

20

25

<210> 4
<211> 27
<212> PRT
<213> Human Immunodeficiency Virus

<400> 4
Cys Leu Asp Ile Lys Gln Gly Pro Lys Glu Pro Pro Arg Asp Tyr Val
1 5 10 15
Asp Arg Phe Tyr Lys Thr Leu Arg Ala Glu Gln
20 25

<210> 5
<211> 20
<212> PRT
<213> Human Immunodeficiency Virus

<400> 5
Cys Lys Thr Ile Leu Lys Ala Leu Gly Pro Ala Ala Thr Leu Glu Glu
1 5 10 15
Met Met Thr Ala
20

<210> 6
<211> 20
<212> PRT
<213> Human Immunodeficiency Virus

<400> 6
Cys Lys Gln Ile Leu Lys Ala Leu Gly Pro Gly Ala Thr Leu Glu Glu
1 5 10 15
Met Met Val Ala
20

<210> 7
<211> 232
<212> PRT
<213> Human Immunodeficiency Virus

<400> 7
Pro Val Val Pro Asn Ala Gln Gly Gln Met Ile His Gln Ala Leu Ser
1 5 10 15
Pro Arg Thr Leu Asn Ala Trp Val Lys Ala Val Glu Glu Lys Ala Phe
20 25 30
Asn Pro Glu Ile Ile Pro Met Phe Met Ala Leu Ser Glu Gly Ala Ile
35 40 45
Pro Tyr Asp Ile Asn Ile Met Leu Asn Ala Ile Gly Gly His Gln Gly
50 55 60
Ala Leu Gln Val Leu Lys Glu Val Ile Asn Glu Glu Ala Ala Asp Trp
65 70 75 80
Asp Arg Ser His Pro Pro Val Val Gly Pro Leu Pro Pro Gly Gln Ile
85 90 95

Arg Glu Pro Thr Gly Ser Asp Ile Ala Gly Thr Thr Ser Thr Gln Gln
 100 105 110
 Glu Gln Val His Trp Ile Thr Arg Ala Asn His Pro Val Pro Val Gly
 115 120 125
 Asp Ile Tyr Arg Lys Trp Ile Val Leu Gly Leu Asn Lys Met Val Lys
 130 135 140
 Met Tyr Ser Pro Val Ser Ile Leu Asp Ile Lys Gln Gly Pro Lys Glu
 145 150 155 160
 Pro Phe Arg Asp Tyr Val Asp Arg Phe Tyr Lys Thr Leu Arg Ala Glu
 165 170 175
 Gln Ala Ile Gln Asp Val Lys Asn Trp Met Thr Glu Thr Leu Leu Val
 180 185 190
 Gln Asn Ala Asn Pro Asp Cys Lys Gln Ile Leu Lys Ala Leu Gly Pro
 195 200 205
 Gly Ala Thr Leu Glu Glu Met Met Val Ala Cys Gln Gly Val Gly Gly
 210 215 220
 Pro Thr His Lys Ala Lys Leu Leu
 225 230

<210> 8
 <211> 231
 <212> PRT
 <213> Human Immunodeficiency Virus

<400> 8
 Pro Ile Val Gln Asn Ile Gln Gly Gln Met Val His Gln Ala Ile Ser
 1 5 10 15
 Pro Arg Thr Leu Asn Ala Trp Val Lys Val Val Glu Glu Lys Ala Phe
 20 25 30
 Ser Pro Glu Val Ile Pro Met Phe Ser Ala Leu Ser Glu Gly Ala Thr
 35 40 45
 Pro Gln Asp Leu Asn Thr Met Leu Asn Thr Val Gly Gly His Gln Ala
 50 55 60
 Ala Met Gln Met Leu Lys Glu Thr Ile Asn Glu Glu Ala Ala Glu Trp
 65 70 75 80
 Asp Arg Val His Pro Val His Ala Gly Pro Ile Ala Pro Gly Gln Met
 85 90 95
 Arg Glu Pro Arg Gly Ser Asp Ile Ala Gly Thr Thr Ser Thr Leu Gln
 100 105 110
 Glu Gln Ile Gly Trp Met Thr Asn Asn Pro Pro Ile Pro Val Gly Glu
 115 120 125
 Ile Tyr Lys Arg Trp Ile Ile Leu Gly Leu Asn Lys Ile Val Arg Met
 130 135 140
 Tyr Ser Pro Thr Ser Ile Leu Asp Ile Arg Gln Gly Pro Lys Glu Pro
 145 150 155 160
 Phe Arg Asp Tyr Val Asp Arg Phe Tyr Lys Thr Leu Arg Ala Glu Gln
 165 170 175
 Ala Ser Gln Glu Val Lys Asn Trp Met Thr Glu Thr Leu Leu Val Gln
 180 185 190
 Asn Ala Asn Pro Asp Cys Lys Thr Ile Leu Lys Ala Leu Gly Pro Ala
 195 200 205
 Ala Thr Leu Glu Glu Met Met Thr Ala Cys Gln Gly Val Gly Gly Pro
 210 215 220
 Gly His Lys Ala Arg Val Leu
 225 230

<210> 9
<211> 229
<212> PRT
<213> Human Immunodeficiency Virus

<400> 9
Val Gln Gln Ala Gly Gly Asn Tyr Ile His Val Pro Leu Ser Pro Arg
1 5 10 15
Thr Leu Asn Ala Trp Val Lys Leu Val Glu Glu Lys Lys Phe Gly Ala
20 25 30
Glu Val Val Pro Gly Phe Gln Ala Leu Ser Glu Gly Cys Thr Pro Tyr
35 40 45
Asp Ile Asn Gln Met Leu Asn Cys Val Gly Asp His Gln Ala Ala Met
50 55 60
Gln Ile Ile Arg Glu Ile Ile Asn Glu Glu Ala Ala Asp Trp Asp Ala
65 70 75 80
Gln His Pro Ile Pro Gly Pro Leu Pro Ala Gly Gln Leu Arg Asp Pro
85 90 95
Arg Gly Ser Asp Ile Ala Gly Thr Thr Ser Thr Val Asp Glu Gln Ile
100 105 110
Gln Trp Met Tyr Arg Gln Pro Asn Pro Val Pro Val Gly Asn Ile Tyr
115 120 125
Arg Arg Trp Ile Gln Ile Gly Leu Gln Lys Cys Val Arg Met Tyr Asn
130 135 140
Pro Thr Asn Ile Leu Asp Val Lys Gln Gly Pro Lys Glu Ser Phe Gln
145 150 155 160
Ser Tyr Val Asp Arg Phe Tyr Lys Ser Leu Arg Ala Glu Gln Thr Asp
165 170 175
Pro Ala Val Lys Asn Trp Met Thr Gln Thr Leu Leu Ile Gln Asn Ala
180 185 190
Asn Pro Asp Cys Lys Leu Val Leu Lys Gly Leu Gly Met Asn Pro Thr
195 200 205
Leu Glu Glu Met Leu Thr Ala Cys Gln Gly Val Gly Gly Pro Ser Gln
210 215 220
Lys Ala Arg Leu Met
225